

# LWQ80 Specifications

NEMIC-LAMBDA

\*:For delivery, contact to our sales office.

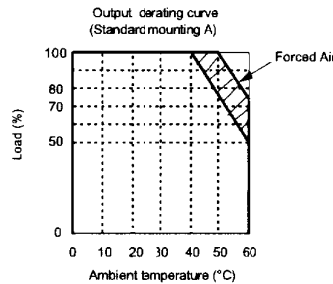
A092-01-01A

ITEMS	MODEL	LWQ80-5225				LWQ80-5222				LWQ80-5224				LWQ80-5FF5				LWQ80-5FF2				LWQ80-5FF4				
		V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4	
1	Nominal Output Voltage	V	5	+12	-12	5	5	+12	-12	12	5	+12	-12	24	5	+15	-15	5	5	+15	-15	12	5	+15	-15	24
2	Minimum Output Current	A	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	
3	Maximum Output Current	A	8	2	1	7	8	2	1	3	8	2	1	1.5	8	2	1	7	8	2	1	3	8	2	1	
4	Maximum Output Power /CH	W	40	24	12	35	40	24	12	36	40	24	12	36	40	30	15	35	40	30	15	36	40	30	15	
5	Maximum Output Power	W	80W																							
6	Efficiency (Typ)	(*) %	72%																							
7	Input Voltage Range	(*12)	85 ~ 132VAC / 170 ~ 265VAC (47 ~ 63Hz) automatically switchable or 220 ~ 330VDC																							
8	Input Current (Typ)	(*1)	2A at 100VAC / 1A at 200VAC																							
9	In-rush Current(Typ)	(*2)	10A at 100VAC / 20A at 200VAC																							
10	Output Voltage Range	-	5V±5% Fixed Fixed 5V±5% 5V±5% Fixed Fixed 12V±5% 5V±5% Fixed Fixed 24V±5% 5V±5% Fixed Fixed 5V±5% 5V±5% Fixed Fixed 12V±5% 5V±5% Fixed Fixed 24V±5%																							
11	Maximum Ripple & Noise	(*11) mV	100	50	150	100	100	150	150	150	150	150	200	100	150	150	100	100	150	150	150	150	150	150	200	
12	Maximum Line Regulation	(*3) mV	50	50	150	50	50	150	150	150	150	200	50	150	150	50	50	150	150	150	150	150	150	200		
13	Maximum Load Regulation	(*4) mV	100	300	300	100	100	300	300	300	100	300	300	400	100	300	300	100	100	300	300	300	100	300		
14	Maximum Temperature Drift	(*5) mV	100	240	240	100	100	240	240	240	100	240	240	480	100	300	300	100	100	300	300	240	100	300		
15	Over Current Protection	(*6)	105% ~																							
16	Over Voltage Protection	(*7)	110 ~ 135% (V1 ~ V4)																							
17	Hold-up Time (Typ)	(*10) ms	20ms																							
18	Operating Temperature	(*9)	0 ~ +60°C																							
19	Operating Humidity	-	30 ~ 90%RH (No dewdrop)																							
20	Storage Temperature	-	-30 ~ +85°C																							
21	Storage Humidity	-	10 ~ 95%RH (No dewdrop)																							
22	Cooling	-	Convector Cooled																							
23	Withstand Voltage	(*8)	Input - Chassis : 2.5kVAC(20mA) for 1min., Input - Output : 3.75kVAC(20mA) for 1min., Output - Chassis : 500VAC(100mA) for 1min.																							
24	Isolation Resistance	(*8)	More than 100MΩ at 25°C and 70%RH, Output - Chassis : 500VDC																							
25	Vibration	-	10 ~ 55Hz Amplitude (sweep 1min) Less than 2G : X, Y, Z 1 hour each																							
26	Shock	-	Less than 20G																							
27	Safety	UL1950	Approved (UL)																							
		CSA950	Approved (C-UL)																							
		EN60950	Approved (TUV)																							
		DENTORI	Built to meet (at Rated input voltage 100VAC)																							
28	Conducted Emission	-	Built to meet FCC-Class B, VCCI-Class B, VDE-Class B.																							
29	Weight	g	800																							
30	Size (WxHxD)	mm	97 x 47 x 240 ( Refer to Outline Drawing )																							
31	Remote ON / OFF Control	(*13)	Possible																							

\*Read instruction manual carefully, before using the power supply unit.

### =NOTES=

- At 100VAC/200VAC & Maximum Output Power.
- When resuming operation in less than 5 sec after power failure, soft-start circuit will not limit the in-rush current at turn on.
- From 85 ~ 132 / 170 ~ 265VAC or 220 ~ 330VDC, constant load.
- From minimum Load - maximum load, constant input voltage.
- From 0 ~ 50°C, constant input voltage and load.
- V1, V2, V3, V4 current limiting with automatic recovery.  
Avoid to operate over load or dead short for a long time.  
(Refer to instruction manual for details.)
- OVP circuit will shutdown all outputs, manual reset.
- Refer to instruction manual for testing procedure.
- Rating - Refer to derating curve on the right.  
- Load (%) is percent of maximum output power or maximum output current, whichever is greater.  
- Refer to instruction manual for further mounting details.
- At 100VAC/200VAC, nominal output voltage & maximum output power.
- To be measured by the probe with bayonet adapter or equivalent.  
Band width of scope is 60MHz B. W.
- To be described as 100 ~ 120VAC, 200 ~ 240VAC, 50 / 60Hz on name plate.
- ON/OFF control is used connector CN2 and CN3. CN2 - Short (ON), Open (OFF) CN3 - 2V ~ 5V (ON), 0 ~ 0.8V



Ta (°C)	LOAD (%)			
	MOUNTING			
	(A)	(B)	(C)	(D)
0 ~ 30	100	100	100	100
40	100	100	100	80
50	75	50	75	40
60	50	-	50	-

